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STANDARD DHIA

A plan for every size herd

OWNER SAMPLER

WEIGH-A-DAY - A-MONTH

AGRICULTURAL RESEARCH SERVICE, U. S. DEPARTMENT OF AGRICULTURE

Dairy-Herd-Improvement Letter

ARS-44-112
(Vol. 38, No. 1)

January 1962

ALL-TIME PEAK NUMBER OF LACTATION RECORDS REPORTED DURING 1961

During 1961, 1,084,799 lactation records were reported to the Dairy Cattle Research Branch, Animal Husbandry Research Division for use in compiling DHIA sire records. This is an all-time peak number of lactation records reported in a single year.

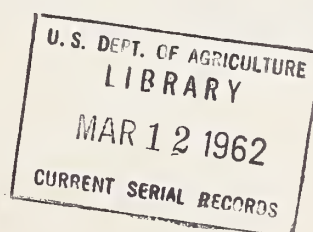
The number of lactation records reported each year, since 1946 is shown below:

<u>Year</u>	<u>Lactation records reported (Number)</u>	<u>Year</u>	<u>Lactation records reported (Number)</u>
1946	183,884	1954	667,074
1947	250,811	1955	636,293
1948	285,083	1956	658,086
1949	391,067	1957	565,360
1950	471,721	1958	786,496
1951	540,953	1959	927,998
1952	485,949	1960	886,495
1953	501,582	1961	1,084,799

The 1,084,799 records reported during 1961 represents approximately 58 percent of the 1,867,469 cows on Standard DHIA test at the beginning of the year.

On the following page is a table showing the number of records reported by States.

Issued February 1962



Growth Through Agricultural Progress

PRODUCTION RECORDS REPORTED TO THE DAIRY CATTLE RESEARCH BRANCH BY STATE EXTENSION SERVICES,
FOR THE PERMANENT FILES DURING 1960 and 1961

State	1961						1960				
	Cows on	Production	Herd Test Records Reported by --				Total	Records	Production		
	test in all	records	American	Brown Swiss	American	American	records	Returned	records	records	
	association:	reported	Dairy	Cattle	Guernsey	Jersey	reported		reported	reported	
	herds on		Cattle	Breeders'	Cattle	Cattle					
	January 1	1/ 2/	Club	Association	Club	Club		3/	2/		
	Number	Number	Number	Number	Number	Number	Number	Percent	Number	Number	Percent
Maine-----	22,060	19,030	-	-	64	84	19,178	86.9	274	14,611	69.6
N. H-----	12,240	9,855	-	-	51	100	10,006	81.7	204	7,678	65.4
Vt-----	47,792	24,632	-	20	53	726	25,431	53.2	380	23,576	51.9
Mass-----	22,795	19,381	28	75	157	415	20,056	88.0	177	18,498	83.7
R. I-----	2,709	1,986	-	-	90	220	2,296	84.8	13	1,530	55.4
Conn-----	24,734	16,368	-	73	628	-	17,069	69.0	207	18,470	83.8
N. Y-----	157,305	141,718	16	-	682	846	143,262	91.1	5,185	116,247	77.0
Pa-----	156,187	133,965	-	25	1,049	207	135,246	86.6	5,581	124,242	89.0
N. J-----	28,235	13,920	-	75	980	328	15,303	54.2	453	14,984	54.5
Md-----	46,433	27,600	-	60	461	303	28,424	61.2	192	27,578	62.4
Del-----	3,832	3,661	-	8	150	-	3,819	99.7	24	3,538	98.4
Va-----	60,015	47,869	-	-	298	238	48,405	80.7	734	33,506	65.7
W. Va-----	9,166	5,902	-	17	19	94	6,032	65.8	46	4,400	50.4
Ky-----	17,331	5,393	-	13	112	543	6,061	35.0	111	7,011	40.4
N. C-----	34,915	25,096	-	-	775	477	26,348	75.5	249	21,565	67.2
S. C-----	13,850	10,398	-	39	505	-	10,942	79.0	83	6,973	66.1
Ga-----	22,451	8,467	-	11	207	294	8,979	40.0	150	5,979	30.3
Fla-----	21,413	4,273	-	5	408	124	4,810	22.5	58	7,150	33.1
Ala-----	20,077	11,466	-	-	29	212	11,707	58.3	62	8,983	50.5
Miss-----	8,679	2,669	-	10	268	306	3,253	37.5	39	2,750	35.8
Tenn-----	19,384	4,139	-	-	600	819	5,558	28.7	50	1,812	11.1
La-----	4,455	680	-	-	263	234	1,177	26.4	11	1,111	28.0
Ark-----	2,845	1,717	-	8	116	200	2,041	71.7	30	1,234	64.3
Ohio-----	66,656	40,291	-	302	2,502	2,165	45,260	67.9	1,036	32,729	54.5
Ind-----	39,237	20,862	27	65	689	642	22,285	56.8	136	20,610	57.6
Ill-----	58,090	49,771	-	166	499	372	50,808	87.5	1,454	41,463	71.2
Mich-----	66,425	59,590	-	128	379	704	60,801	91.5	1,903	64,997	106.8
Wis-----	100,325	121,343	55	105	75	187	121,765	121.4	1,925	46,487	47.0
Minn-----	114,094	66,740	-	6	208	193	67,147	58.9	1,407	54,364	50.7
Iowa-----	57,146	33,431	-	64	67	342	33,904	59.3	573	39,507	72.6
Mo-----	25,965	9,135	-	19	283	215	9,652	37.2	225	8,989	41.4
N. Dak-----	5,921	3,912	-	35	27	-	3,974	67.1	105	4,154	76.9
S. Dak-----	6,495	1,850	-	39	16	-	1,905	29.3	25	1,748	29.7
Nebr-----	12,010	4,631	-	9	376	56	5,072	42.2	248	2,139	16.2
Kans-----	29,024	14,311	-	30	176	138	14,655	50.5	229	13,483	51.6
Okla-----	7,930	1,568	-	17	299	344	2,228	28.1	41	3,386	46.1
Tex-----	24,850	10,555	-	-	308	1,063	11,926	48.0	85	8,962	41.0
Mont-----	5,697	1,679	-	3	77	17	1,776	31.2	19	1,178	21.2
Idaho-----	26,193	7,726	-	5	281	191	8,203	31.3	142	7,214	28.4
Wyo-----	1,937	376	-	-	21	-	397	20.5	39	109	7.6
Nev-----	3,477	93	-	-	-	198	291	8.4	4	154	5.0
Utah-----	17,456	10,902	-	-	29	11	10,942	62.7	309	2,352	14.5
Colo-----	17,464	2,259	-	3	51	100	2,413	13.8	99	1,364	8.8
N. Mex-----	4,992	619	-	-	160	153	932	18.7	43	579	14.3
Ariz-----	21,002	3,141	-	-	39	33	3,213	15.3	115	782	3.0
Wash-----	48,224	21,672	-	-	1,102	523	23,297	48.3	435	36,125	82.8
Oreg-----	29,696	17,894	-	-	534	1,042	19,470	65.6	339	14,976	52.1
Calif-----	313,615	4,997	-	37	1,236	568	6,838	2.2	29	4,714	1.6
P. R-----	4,507	38	-	-	-	-	38	.8	-	251	5.7
Hawaii-----	138	80	-	-	-	-	80	58.0	-	253	124.6
Alaska-----	0	124	-	-	-	-	124	-	1	-	-
U. S-----	1,867,469	1,049,775	126	1,472	17,399	16,027	1,084,799	58.1	25,279	886,495	50.8

1/ Includes cows enrolled since January 1, 1961.

2/ Production records reported on DHIA-718 and DHIA-1095.

3/ Records returned to States because of inconsistent or incomplete data.

NEW TYPE DHIA SIRE RECORD ADOPTED

The dam-and-daughter DHIA Proved-Sire Record is being replaced with a daughter-herd-mate sire summary record.

Research has shown that daughter-herd-mate comparisons usually indicate the breeding value of a sire more reliably than daughter-dam comparisons.

The new sire record will be designed as --

USDA-DHIA Sire Summary Record

In the new Sire Summary Record herd-mate averages of daughters of all sires will be adjusted for numbers of herd mates. The herd-mate evaluation of AI sires will also be adjusted for numbers of daughters and for levels of herd mates relative to the breed average.

When the Branch's ADP 705-III procedures are again operated in June and July, the first of the new "USDA-DHIA Sire Summary Records" will be compiled.

ERRATA:

November 1961 Letter. Machine errors resulted in incorrect US-DHIA averages. The averages reported were 11,045 pounds of milk and 428 pounds of butterfat. The correct averages are 10,796 pounds of milk and 418 pounds of butterfat for the testing year 1960-61.

December 1961 Letter. The number of AI studs operating in the United States January 1, 1961, was given as 45. The number was 56.

MAY 1, 1962

DEADLINE FOR REPORTING LACTATION RECORDS

DHIA-718 - DHIA-1095

The automated ADP 705-III procedures will be operated beginning next June. When the procedures are operated all sire record summaries will be brought up-to-date, using all lactation records received in the Branch to May 1, 1962.

Therefore, all available lactation records should be reported in time to be received in the Branch by May 1, for inclusion in the new sire record summaries.

Supervisors should report manually calculated lactation records on form DHIA-718 as they are completed. Computing centers should report all available lactation records on form DHIA-1095 or on magnetic tape. Three centers plan to use magnetic tapes for reporting lactation records.

DEADLINE FOR REPORTING LACTATION RECORDS

MAY 1, 1962

JUNE 1, 1962

DEADLINE FOR REPORTING DHIA YEARLY HERD RECORDS

DHIA-780 - DHIA-205-9 - DHIA-1105

DHIA Herd and Association Summary and State and national DHIA tabulations of DHIA yearly herd records will be issued next July using ADP 705-III automated procedures. Only yearly herd records with testing years ending between May 1, 1961, and April 30, 1962, will be included in the summaries and tabulations.

Supervisors should report manually calculated yearly herd records on form DHIA-780. Computing centers should report yearly herd records on form DHIA-205-9 or DHIA-1105.

DEADLINE FOR REPORTING DHIA YEARLY HERD RECORDS

JUNE 1, 1962